

Psychoneuroendocrinology

An International Journal

Editors-in-Chief

Robert Dantzer
INRA-INSERM
Bordeaux, France

Ned H. Kalin
University of Wisconsin
Medical School, Madison

**LIST OF CONTENTS
AUTHOR INDEX
Volume 18, 1993**



Pergamon Press

New York · Oxford · Seoul · Tokyo

Psychoneuroendocrinology

An International Journal

Editors-in-Chief

Robert Dantzer, MD, INRA-INSERM, Bordeaux, France
Ned H. Kalin, MD, University of Wisconsin Medical School, Madison

Editorial Board

B. Bohus (<i>Groningen, The Netherlands</i>)	R. Murison (<i>Bergen, Norway</i>)
R. de Kloet (<i>Leiden, The Netherlands</i>)	C. Nemeroff (<i>Atlanta, GA</i>)
G. Fink (<i>Edinburgh, UK</i>)	A. Olivero (<i>Rome, Italy</i>)
F. Holsboer (<i>Münich, Germany</i>)	R. Post (<i>Bethesda, MD</i>)
T. Insel (<i>Bethesda, MD</i>)	R. Sapolsky (<i>Stanford, CA</i>)
B. Keverne (<i>Cambridge, UK</i>)	W. Vale (<i>San Diego, CA</i>)
J. J. Legros (<i>Liège, Belgium</i>)	S. Watson (<i>Ann Arbor, MI</i>)
B. S. McEwen (<i>New York</i>)	

Production Editor: Melissa L. Bogen, Pergamon Press, Tarrytown, New York.

Editorial Offices: Dr. Robert Dantzer, INRA-INSERM U176, Rue Camille Saint-Saens, 33077 Bordeaux Cedex, France. Telephone: 56-00-02-58; FAX: 56-98-90-29. Dr. Ned H. Kalin, Department of Psychiatry, Room D6/250 CSC, University of Wisconsin Medical School, 600 Highland Avenue, Madison, Wisconsin 53792-2475, U.S.A. Telephone: (608) 263-6079; FAX: 608-263-0265.

Publishing, Advertising, and Subscription Offices: Pergamon Press Inc., 660 White Plains Road, Tarrytown, New York 10591-5153, U.S.A., E-mail Address: ESUK.USA@ELSEVIER.COM; or Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England.

Published Eight Times Per Year. Annual Institutional Subscription Rates 1994: North, Central, and South America, U.S. \$570.00, Rest of World £370.00. Sterling prices exclude VAT. Non-VAT registered customers in the European Community will be charged the appropriate VAT in addition to the price listed. Prices include postage and insurance and are subject to change without notice.

LIST OF CONTENTS

VOLUME 18, 1993

VOLUME 18

NUMBER 1, 1993

CONTENTS

Editorial

R. DANTZER,
Co-Editor-in-Chief

- 1 *Psychoneuroendocrinology on the move*

Review

C. FERRARESE, I. APPOLLONIO,
G. BIANCHI, M. FRIGO,
C. MARZORATI, N. PECORA,
M. PEREGO, C. PIERPAOLI, and
L. FRATTOLA

- 3 Benzodiazepine receptors and diazepam binding inhibitor: A possible link between stress, anxiety and the immune system

Articles

S. CROES, P. MERZ, and P. NETTER

- 23 Cortisol reaction in success and failure conditions in endogenous depressed patients and controls

M. ANSSEAU, D. LEBoulLE, J. SULON,
R. VON FRENCKELL, and J.-J. LEGROS

- 37 Oral contraceptives and the Dexamethasone Suppression Test

J. BALLDIN, U. BERGGREN,
E. ERIKSSON, G. LINDSTEDT, and
A. SUNDKLER

- 45 Guanfacine as an alpha-2-agonist inducer of growth hormones secretion—A comparison with clonidine

A. ROCCO, F. MORI, R. BALDELLI,
A. AVERSA, M. R. MUNIZZI,
M. R. NARDONE, A. FABBRINI, and
P. FALASCHI

- 57 Effect of chronic bromocriptine treatment on psychological profile of patients with PRL-secreting pituitary adenomas

O. MARTÍ, A. GAVALDÀ, T. JOLÍN,
and A. ARMARIO

- 67 Effect of regularity of exposure to chronic immobilization stress on the circadian pattern of pituitary adrenal hormones, growth hormone, and thyroid stimulating hormone in the adult male rat

LIST OF CONTENTS

M. GUISTI, A. CARRARO,
E. PORCELLA, S. VALENTI, D. NICORA,
P. SESSAREGO, and G. GIORDANO

79 Delta sleep-inducing peptide administration does not influence growth hormone and prolactin secretion in normal women

Book Review

R. DANTZER

85 G. Jasmin and M. Cantin (Eds), *Stress Revisited*. Volume 1: Neuroendocrinology of Stress. Volume 2: Systemic Effects of Stress.

Instructions for Authors

I

VOLUME 18

NUMBER 2, 1993

CONTENTS

Editorial

NED H. KALIN,
Co-Editor-in-Chief

89 A pragmatist's vision for *Psychoneuroendocrinology*

Articles

GERIANNE M. ALEXANDER and
BARBARA B. SHERWIN

91 Sex steroids, sexual behavior, and selection attention for erotic stimuli in women using oral contraceptives

ELAINE R. PESKIND, ALLEN RADANT,
DORCAS J. DOBIE, JAMES HUGHES,
CHARLES W. WILKINSON,
CARL SIKKEMA, RICHARD C. VEITH,
DANIEL M. DORSA, and
MURRAY A. RASKIND

103 Hypertonic saline infusion increases plasma norepinephrine concentrations in normal men

JANICE E. THORNTON, MARC ROY,
PATRICIA VINCENT, ROBERT W. GOY,
BRUCE S. MCEWEN, and
HARVEY H. FEDER

115 Idazoxan decreases estrogen-induced lordosis in female but not "hormone-independent" lordosis in male guinea pigs of an inbred strain

L. H. PAN and F. GILBERT

123 Identification of different mechanisms of action for increases of food intake and plasma ACTH concentration following 5-HT_{1a} receptor subtype activation in rat brain

IV

LIST OF CONTENTS

S. H. KENNEDY, G. M. BROWN, C. G. FORD, and E. RALEVSKI	131	The acute effects of starvation on 6-sulphatoxy-melatonin output in subgroups of patients with anorexia nervosa
M. HOEHE and T. DUKA	141	Opiates increase plasma catecholamines in humans
RICHARD R. CLOPPER, MARY L. VOORHESS, MARGARET H. MACGILLIVRAY, PETER A. LEE, and BARBARA MILLS	149	Psychosexual behavior in hypopituitary men: A controlled comparison of gonadotropin and testosterone replacement
<i>Instructions for Contributors</i>	I	

VOLUME 18

NUMBER 3, 1993

CONTENTS

Articles

MARTA DOBRAKOVOVÁ, RICHARD KVETŇANSKÝ, ZDENKA OPRŠALOVÁ, and DANIELA JEŽOVÁ	163	Specificity of the effect of repeated handling on sympathetic-adrenomedullary and pituitary-adrenocortical activity in rats
F. FARABOLLINI, M. E. ALBONETTI, A. M. ALOISI, F. FACCHINETTI, G. GRASSO, L. LODI, C. LUPO, and M. MUSCETTOLA	175	Immune and neuroendocrine response to restraint in male and female rats
J. M. GÓMEZ-SÁEZ, J. M. FERNÁNDEZ-REAL, M. A. NAVARRO, J. A. MARTÍNEZ-MATOS, and J. SOLER	183	GH secretion status in myotonic dystrophy
CHRISTINE C. GISPEN-DE WIED, HUGO D'HAENEN, WILLEM M. A. VERHOEVEN, HERMAN J. WYNNE, HERMAN G. M. WESTENBERG, JOS H. THIJSSSEN, and JAN M. VAN REE	191	Inhibition of the pituitary-adrenal axis with dexamethasone and cortisol in depressed patients and healthy subjects: A dose-response study

LIST OF CONTENTS

SERGE G. STOLÉRU, ABDALLAH ENNAJI, ANTOINE COURNOT, and ALFRED SPIRA	205	LH pulsatile secretion and testosterone blood levels are influenced by sexual arousal in human males
LORAH D. DORN, ELIZABETH J. SUSMAN, and ANNE C. PETERSEN	219	Cortisol reactivity and anxiety and de- pression in pregnant adolescents: A longitudinal perspective
<i>Short Communication</i>		
MAUREEN P. O'GRADY, NICHOLAS R. S. HALL, and ROBERT A. MENZIES	241	Interleukin-1 β stimulates adrenocorti- cotropin and corticosterone release in 10-day-old rat pups
<i>Erratum</i>		
J. D. STOEHR, C. P. CRAMER, and W. G. NORTH	249	Oxytocin and vasopressin hexapeptide fragments have opposing influences on conditioned freezing behavior. <i>Psycho- neuroendocrinology</i> 17:267-271; 1992.
<i>Instructions for Contributors</i>	I	

VOLUME 18

NUMBER 4, 1993

CONTENTS

Review

M. FLESHNER, L. R. WATKINS, L. L. LOCKWOOD, R. E. GRAHN, G. GERHARDT, M. J. MEANEY, M. L. LAUDENSLAGER, and S. F. MAIER	251	Blockade of the hypothalamic-pitu- itary-adrenal response to stress by intraventricular injection of dexamethasone: A method for studying the stress-induced peripheral effects of glu- cocorticoids
---	-----	--

Articles

WALTER HUBERT, MATHILDE MÖLLER, and RENATE DE JONG-MEYER	265	Film-induced amusement changes in saliva cortisol levels
CYNTHIA A. GRAHAM and BARBARA B. SHERWIN	273	The relationship between mood and sexuality in women using an oral con- traceptive as a treatment for premen- strual symptoms

LIST OF CONTENTS

B. R. GRAD and R. ROZENCWAIG	283	The role of melatonin and serotonin in aging: Update
SEYMOUR LEVINE, SANDRA G. WIENER, and CHRISTOPHER L. COE	297	Temporal and social factors influencing behavioral and hormonal responses to separation in mother and infant squirrel monkeys
FRANCES L. MARTEL, CLAIRE M. NEVISON, F. DAVID RAYMENT, MICHAEL J. A. SIMPSON, and ERIC B. KEVERNE	307	Opioid receptor blockade reduces maternal affect and social grooming in rhesus monkeys
R. M. BLUTHÉ, G. GHEUSI, and R. DANTZER	323	Gonadal steroids influence the involvement of arginine vasopressin in social recognition in mice
<i>Instructions for Contributors</i>	I	

VOLUME 18

NUMBERS 5/6, 1993

CONTENTS

Articles

MARIA APOSTOLOPOULOS, FIONA K. JUDD, GRAHAM D. BURROWS, and TREVOR R. NORMAN	337	Prolactin response to <i>dl</i> -fenfluramine in panic disorder
JAN HELLEDAY, GUNNAR EDMAN, E. MARTIN RITZÉN, and BO SIWERS	343	Personality characteristics and platelet MAO activity in women with congenital adrenal hyperplasia (CAH)
MUSTAFA AL'ABSI and WILLIAM R. LOVALLO	355	Cortisol concentrations in serum of borderline hypertensive men exposed to a novel experimental setting
U. VODERHOLZER, G. LAAKMANN, A. HINZ, C. DAFFNER, C. HAAG, H.-P. HOFMANN, and B. BÖRSCHER	365	Dependency of growth hormone (GH) stimulation following releasing hormones on the spontaneous 24-hour GH secretion in healthy male and female subjects

LIST OF CONTENTS

J. L. MORROW-TESCH, J. J. MCGLONE, and R. L. NORMAN	383	Consequences of restraint stress on natural killer cell activity, behavior, and hormone levels in rhesus macaques (<i>Macaca mulatta</i>)
FABIO FACCHINETTI, MAURIZIO FAVA, LOREDANA FIORONI, ALESSANDRO D. GENAZZANI, and ANDREA R. GENAZZANI	397	Stressful life events and affective disorders inhibit pulsatile LH secretion in hypothalamic amenorrhea
ANTONIO ARMARIO, OCTAVI MARTÍ, AMADEU GAVALDÀ, MERCE GIRALT, and TRINIDAD JOLÍN	405	Effects of chronic immobilization stress on GH and TSH secretion in the rat: Response to hypothalamic regulatory factors
C. DE CABO, I. KITCHEN, M. KELLY, and M. P. VIVEROS	415	Effects of β -funaltrexamine treatment and sexual isolation in the perinatal period on the development of μ -opioid receptors and nociception
WENDA R. TREVATHAN, MARY H. BURLESON, and W. LARRY GREGORY	425	No evidence for menstrual synchrony in lesbian couples
MARK S. BAUER, JAMES KURTZ, ANDREW WINOKUR, JENNIFER PHILLIPS, LISA B. RUBIN, and JUDITH G. MARCUS	437	Thyroid function before and after four-week light treatment in winter depressives and controls
<i>Short Communication</i> ROBERTAS BUNEVIČIUS and VALENTINAS MATULEVIČIUS	445	Short-lasting behavioural effects of thyrotropin-releasing hormone in depressed women: Results of placebo-controlled study
<i>Letters to the Editor</i>	451	
<i>Instructions for Contributors</i>	I	

VOLUME 18

NUMBER 7, 1993

CONTENTS

Articles

BERNARD H. SCHMIDT and FRANCIS CHAOULOFF	457	Chronic treatment with an anxiolytic dose of the 5-HT _{1A} agonist ipsapirone does not alter ipsapirone acute neuroendocrine effects
---	-----	---

LIST OF CONTENTS

D. A. ZHUKOV	467	The Dexamethasone Suppression Test in genetically different rats exposed to inescapable and escapable electric shocks
L. DE MARINIS, A. MANCINI, C. FIUMARA, G. CONTE, T. IACONA, L. IANIRI, E. ZEPPETELLI, G. GOBBI, and E. TEMPESTA	475	Growth hormone response to growth hormone-releasing hormone in early abstinent alcoholic patients
CATHERINE PIHOKER, MICHAEL J. OWENS, CYNTHIA M. KUHN, SAUL M. SCHANBERG, and CHARLES B. NEMEROFF	485	Maternal separation in neonatal rats elicits activation of the hypothalamic-pituitary-adrenocortical axis: A putative role for corticotropin-releasing factor
EMILIO MERLO PICH, STEPHEN C. HEINRICH, CATHERINE RIVIER, KLAUS A. MICZEK, DELBERT A. FISHER, and GEORGE F. KOOB	495	Blockade of pituitary-adrenal axis activation induced by peripheral immunoneutralization of corticotropin-releasing factor does not affect the behavioral response to social defeat stress in rats
SUSAN E. MOLCHAN, JAMES L. HILL, RICK A. MARTINEZ, BRIAN A. LAWLOR, ALAN M. MELLOW, DAVID R. RUBINOW, GARTH BISSETTE, CHARLES B. NEMEROFF, and TREY SUNDERLAND	509	CSF somatostatin in Alzheimer's disease and major depression: Relationship to hypothalamic-pituitary-adrenal axis and clinical measures
HAROLD W. GORDON and PETER A. LEE	521	No difference in cognitive performance between phases of the menstrual cycle
<i>Letters to the Editor</i>	533	
<i>Erratum</i>		
B. R. GRAD and R. ROZENCWAIG	541	The role of melatonin and serotonin in aging: Update. <i>Psychoneuroendocrinology</i> 18(4):283-295.
<i>Instructions for Contributors</i>	I	

CONTENTS

Editors' Notice

- ROBERT DANTZER and NED H. KALIN iii Invited editorials

Invited Editorial

- MURRAY A. COWEN, v A proposed neuroendocrine model of
MAURICE R. GREEN, and
DAVID N. BERTOLLO the schizophrenias

Articles

- J. ALLIOT, P. NAUTON, and 543 Administration of LHRH analog can
M. A. BRUHAT improve working memory in aged fe-
male rats
- V. COIRO, R. VOLPI, C. MARCHESI, 551 Abnormal serotonergic control of pro-
A. DE FERRI, C. DAVOLI, lactin and cortisol secretion in patients
P. CAFFARRA, G. ROSSI, G. CAFFARRI, with seasonal affective disorder
M. DAVOLIO, and P. CHIODERA
- EBERHARD FUCHS, OLAF JÖHREN, 557 Psychosocial conflict in the tree shrew:
and GABRIELE FLÜGGE Effects on sympathoadrenal activity
and blood pressure
- RALF C. ZIMMERMANN, 567 Urinary 6-hydroxymelatonin sulfate as
CHRISTOPHER J. MCDUGLE, a measure of melatonin secretion dur-
MATTHIAS SCHUMACHER, ing acute tryptophan depletion
JAMES OLCESE, GEORGE R. HENINGER,
and LAWRENCE H. PRICE
- GABRIELE FEHM-WOLFS DORF, 579 Auditory reflex thresholds elevated by
UTA SOHERR, REINHARD ARNDT, stress-induced cortisol secretion
WERNER KERN, HORST LORENZ FEHM,
and DETHARD NAGEL
- LEA JABAALJ, ROBERT J. BENSCHOP, 591 Immunologic, endocrine and psycho-
FRANK G. OOSTVEEN, logical influences on cortisol-induced
HUGO J. DUIVENVOORDEN, immunoglobulin synthesis in vitro
AD J. J. M. VINGERHOETS,
and RUDY E. BALLIEUX

LIST OF CONTENTS

MICHAEL MAES, HERBERT Y. MELTZER, PAUL COSYNS, EDUARD SUY, and CHRIS SCHOTTE	607	An evaluation of basal hypothalamic- pituitary-thyroid axis function in de- pression: Results of a large-scaled and controlled study
<i>Index</i>	I	List of contents and author index for Volume 18, 1993
<i>Instructions for Contributors</i>	XIV	